

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001756810007-6

(TROYB, S.G.; CHERNYATIN, A.N.; PASTUKHOV, G.M.

Classification of compacted excavator peat. Gaz. prom. 5  
no. 12:15-17 D '60. (MIRA 14:1)  
(Peat gasification)

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CIA-RDP86-00513R001756810007-6"

LISIYENKO, V.G., inzh.; KOKAREV, N.I., dots., kand.tekhn.nauk;  
TROYB, S.G., prof., doktor tekhn.nauk

Motion-picture photography of the fuel oil burner flame in  
open-hearth furnaces. Izv.vys.ucheb.zav.; chern.met. 2  
no.8:127-134 Ag '59. (MIRA 13:4)

1. Ural'skiy politekhnicheskiy institut. Rekomendovano kafedroy  
metallurgicheskikh pechey Ural'skogo politekhnicheskogo  
instituta.  
(Open-hearth furnaces--Equipment and supplies)  
(Motion pictures in industry)

TROYB, S. G. (Docent); KANTOROV, M. V. (Docent)

"Fuels and Combustion Calculations," from the book Metallurgical Furnaces  
(Metallurgicheskiye Pechi) Metallurgizdat, 1951.

Candidate of Technical Sciences

TROYB, S.G.; CHERNYATIN, A.N.; VELIZHEV, F.K.

Gasification of fuel oil. Izv.vys.ucheb.zav.; chern.met. 4 no.6:  
194-197 '61. (MIRA 14:6)

1. Ural'skiy politekhnicheskiy institut.  
(Petroleum as fuel)

TROYB, Samuil Griger'yevich.

[Air excess coefficient control] Kontrol' koefitsienta izbytka  
vozdukha. Moskva, Metallurgizdat, 1955. 227 p. (MLRA 9:6)  
(Combustion)

BUDRIN, Dmitriy Vasil'yevich; GLINKOV, Mark Alekseyevich, prof.,  
doktor tekhn. nauk; KUZ'MIN, Mikhail Aleksandrovich;  
PLOTNIKOV, Liveriy Alekseyevich; SEMIKIN, Iosif Danilovich;  
TROYB, Samuil Grigor'yevich; SAL'NIKOV, A.P., red.izd-va;  
ISLENT'YEVA, P.G., tekhn. red.

[Metallurgical furnaces] Metallurgicheskie pechi. [By] D.V.  
Budrin i dr. Moskva, Metallurgizdat. Pt.1. [Fuel, refractories,  
principles of heat engineering processes] Toplivo, ogneupory,  
osnovy pechnoi teplotekhniki. 1963. 436 p. (MIRA 16:10)  
(Metallurgical furnaces)

TRCYB, Ye. G.

Peat

Mechanization of the excavating and loading process of peat with the machine unit  
UKB-SKS., Torf. prom., 29, no. 2, 1952

Monthly List of Russian Accessions, Library of Congress, April 1952. UNCLASSIFIED

FRUYB, Ye. G., Eng.

Peat Industry

Type of the processing equipment of an excavator. Torf. prom. 30, No. 3, 1953.

SO: Monthly List of Russian Accessions, Library of Congress, June 1953, Uncl.

Troyegubov, I.I.

3-9-7/31

AUTHOR: Troyegubov, I.I.TITLE: Notes on the Teaching of Political Economy by Correspondence  
(Zametki o prepodavanii politicheskoy ekonomii zaochnikam)

PERIODICAL: Vestnik Vysshey Shkoly, 1957, # 9, pp 24-25 (USSR)

ABSTRACT: In this article the author deals with the system of control work in the correspondence study of political economy. He does not agree with this method and confirms his opinion on the basis of the experience of the Kirov institutes of agriculture and pedagogics.

He criticizes the composition of themes for control work: there are more than 70 themes proposed. The author suggests reorganizing and limiting them to some basic themes of political economy. He suggests that the chairs be authorized to indicate subjects for control work, which would require more careful criticism and recommendation of literature. At present, he states, it is difficult to compose a good control work using only the current list of recommended literature. This list ought to be supplemented and improved.

The author proposes introducing course works which must be defended in an open session of the committee. He indicates

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Notes on the Teaching of Political Economy by Correspondence 3-9-7/31

a number of themes on this subject: "The Socialist System of Agriculture", "Radical Advantages of the Socialist System of Agriculture With Respect to Small Peasant Homesteads and Extensive Capitalist Farming, etc."

ASSOCIATION: The Kirov Institute of Agriculture (Kirovskiy sel'skokhozyaystvennyy institut)

AVAILABLE: Library of Congress

Card 2/2

TROYEGUBOV, V.I., inzh.

Measuring the production volume and labor productivity of  
the industrial enterprises of river transportation in  
standard manufacturing cost indices. Trudy LIVT no.74:  
52-60 '64. (MIRA 16:11)

ACCESSION NR: AR4034730

8/0124/64/000/003/B062/B062

SOURCE: Ref. zh. Mekhan., Abs. 3B383

AUTHOR: Troyepol'skaya, O. V.

TITLE: On one schematic of cavitation flow of a heavy liquid

CITED SOURCE: Sb. Itog. Nauchn. konferentsiya Kazansk. un-ta za 1962 g. Sekts. matem. n., Kazan', Kazansk. un-t, 1963, 181-183

TOPIC TAGS: hydromechanics, hydrodynamics, hydraulics, flow characteristic

TRANSLATION: The influence of the force of gravity is studied in a problem on the interrupted flow by of a wedge according to the schematic of Ryabushinskiy, under the assumption that this influence is small. The form of the cavity is taken as symmetrical relative to some vertical axis, and the angle of inclination of the edges of the cavity to the horizontal axis is considered small. Final formulas are given for the basic characteristics of flow.

The work has an erratum: in determining the Froude number, there should have been a rectangle of velocity, and not a first stage.

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TROYEPOL'SKAYA, O.V.

(Kotov\*)

Pattern of the ca. 'Mat' flow of a heavy M. Tsv. vys.  
ucheb. zav.; mat. no. 6:152-158 '63 (MIRA 17:8)

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CIA-RDP86-00513R001756810007-6"

S/147/62/000/001/004/015  
E191/E135

10.12.30

AUTHORS: Tumashev, G.G., <sup>1</sup> Troyepol'skaya, O.V.  
TITLE: Derivation of the shape of the jet behind a wing  
with a jet flap

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy,  
Aviatsionnaya tekhnika, no.1, 1962, 32-37

TEXT: The shape of the jet behind a thin profile with a small camber is considered having a jet flap (defined as an artificially generated jet of air emerging at high velocity from a slot in the trailing edge of the wing). A steady-state potential flow of incompressible fluid is assumed. The wing incidence angle and the angle of the jet flap are small. An element of the jet between two normal sections is taken and the equilibrium of forces considered. The centrifugal force is in equilibrium with the difference of pressures at the boundary with the surrounding flow. The mean line of the jet is considered as a line of continuously distributed vortices having a certain vorticity situated along the chord of the

VB

Card 1/2

Derivation of the shape of the ... S/147/62/000/001/004/015  
profile. Numerical computations are given for incidences of  
E191/E135

0, 5 and 10°, for non-dimensional jet coefficients of 0.5, 1.5  
and 3.0, and for jet outflow angles of 10, 15 and 20°.  
There are 3 figures and 1 table.

ASSOCIATION: Kafedra teoreticheskoy mekhaniki i gidroaeromekhaniki,  
Kazanskiy gosudarstvennyy universitet  
(Department of Theoretical Mechanics and Hydro-  
aeromechanics, Kazan' State University) *TB*

SUBMITTED: April 24, 1961

Card 2/2

TUMASHEV, G.G.; TROYEPOL'SKAYA, O.V.

Determining the shape of the flow about a jet-flapped wing.  
Izv.vys.ucheb.zav.; av.tekh. 5 no.1:32-37 '62. (MIRA 16:7)

1. Kazanskiy gosudarstvennyy universitet, kafedra teoreticheskoy  
mekhaniki i gidroaeromekhaniki.  
(Airfoils)

KATAYEV, Yu.P.; TROYEPOL'SKAYA, T.V.; ARBUZOV, A. Ye.

Syntheses of heterocyclic compounds based on E. Fisher's reaction. Part 3: Catalysts of an "abnormal" course of reaction.  
Zhur. ob. Khim. 34 no.6:1835-1843 Je '64. (MIRA 17:7)

KITAYEV, Yu.P.; TROYEPOL'SKAYA, T.V.

Tautomerism and geometrical isomerism of nitrogen-containing derivatives of carbonyl compounds. Report No.9: Polarographic behavior of phenyl hydrazones. Izv.AN SSSR.Otd.khim.nauk no.3:465-473 Mr '63. (MIRA 16:4)

1. Khimicheskiy institut im. A.Ye.Arbusova AN SSSR.  
(Hydrazones) (Tautomerism) (Polarography)

SHAGIDULLIN, R.R.; SATTAROVA, F.K.; TROYEPOL'SKAYA, T.V.; KITAYEV, Yu.P.

On the coexistence of different tautomeric forms of  
phenyl hydrazones. Izv.AN SSSR.Otd.khim.nauk no.2:385-386  
(MIRA 16:4)  
F '63.

1. Khimicheskiy institut im. A.Ye.Arbusov. AN SSSR.  
(Hydrazones) (Tautomerism)

SHAGIDULLIN, R.R.; SATTAROVA, F.K.; TROYEPOL'SKAYA, T.V.; KITAYEV, Yu.P.

Tautomerism and geometrical isomerism of nitrogen-containing derivatives of carbonyl compounds. Report No.10: Infrared spectra of the phenyl hydrazones of some aldehydes. Izv.AN SSSR.Otd.khim.nauk no.3:473-478 Mr '63. (MIRA 16:4)

1. Khimicheskiy institut im. A.Ye.Arbusova AN SSSR.  
(Hydrazones—Absorption spectra) (Tautomerism)

KITAYEV, Yu.P.; BUONIKOV, G.K.; TROYEPOL'SKAYA, T.V.; ARBUZOV, A. Ye.,  
akademik

Quantitative evaluation of the effect of substituents on the  
polarographic reduction of certain azomethine compounds. Dokl.  
AN SSSR 137 no.4:862-865 Ap '61. (MIRA 14:3)

1. khimicheskiy institut im.A. Ye. Arbuzova Kazanskogo filiala  
AN SSSR.  
(Schiff bases) (Hammett equation)

KITAYEV, Yu.P.; TROYEPOL'SKAYA, T.V.

Tautomerism and geometrical isomerism of nitrogen-containing derivatives of carbonyl compounds. Report No.8: Polarographic study of phenyl hydrazone tautomerism. Izv.AN SSSR.Otd.khim.nauk no.3454-465 Mr '63.

1. Khimicheskiy institut im. A.Ye.Arbusova AN SSSR.  
(Hydrazones) (Tautomerism) (Polarography)

SHAGIDULLIN, R.R.; SATTAROVA, F.K.; SEMENOVA, N.V.; TROYEPOL'SKAYA, T.V.;  
KITAYEV, Yu.P.

Tautomerism and geometrical isomerism of nitrogen-containing  
derivatives of carbonyl compounds. Report No. 2: Infrared  
spectra of phenylhydrazones of some ketones. Izv. AN SSSR.  
Otd. khim. nauk no.4:633-637 Ap '63. (MIRA 16:3)

1. Khimicheskiy institut im. A. Ye. Arbuzova AN SSSR, Kazan'.  
(Hydrazones—Absorption spectra) (Isomerism)

L 25439-66 EPF(n)-2/EWT(m)/ETC(f)/EWG(m) WW/GS

ACC NR: AT6005816

SOURCE CODE: UR/0000/65/000/000/0078/0084

AUTHORS: Troyanskiy, V. B.; Shikhov, S. B.

35

34

B+1

ORG: none

TITLE: Critical dimension of a reactor without reflector and the spatial-angular distribution of neutrons in the approximation of the material parameter <sup>19</sup>

SOURCE: Moscow. Inzhenerno-fizicheskiy institut. Nekotoryye voprosy fiziki i tekhniki yadernykh reaktorov (Some problems in the physics and engineering of nuclear reactors). Moscow, Atomizdat, 1965, 78-84

TOPIC TAGS: neutron distribution, reactor neutron flux, nuclear reactor characteristic, transport equation

ABSTRACT: The purpose of the paper was to present an approximate calculation of the extrapolation distance and to determine the spatial-angular distribution in the asymptotic region. The calculation consists essentially of determining solutions for an infinite

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L 25439-66

ACC NR: AT6005816

medium such as would describe in the best manner the solution of the neutron balance equation in a limited volume. It is shown first that the asymptotic spatial-angular distribution of the neutron flux in a reactor without reflector can be determined from the neutron-balance equation, and formulas are then derived for the dimensionless half-thickness of the reactor from the single-velocity kinetic equation in the transport approximation. These formulas are found to be close to the results of high approximations of the method of spherical harmonics ( $P_g$  method) and the Carlson method ( $S_n$  method). The deviation from the results of a variational method with quadratic trial function is less than 1%. The results for the extrapolation distance are more accurate in the entire range of the parameter  $c$  (defined in the text) than in the  $P_1$  approximation. The authors thank V. V. Orlov for a valuable discussion. Orig. art. has: 2 figures, 11 formulas, and 1 table.

SUB CODE: 18 / SUBM DATE: 05Jun65 / ORIG REF: 002 / OTH REF: 004

Card 2/2 CC

Sov/2284

## PAGE I BOOK EXPLORATION

Moscow: Vsesoyuzny nauchno-issledovatel'skiy geologo-pravodochnyy  
naukovo-issledovatel'skiy institut

Parapetyt' nefti-gazonosnosti i napravleniya geologopravodochnykh  
rabot v severo-vostochnykh regionakh neftegazogenozona  
oblasti, vyizdannye sessiya uchenogo sovetu VNIIG  
Kazan. [Oil-and-Gas-bearing Prospecting Possibilities and the Direction of  
Geological Exploration in the Northeastern Regions of the Volga-  
Ural Petroleum Region. Session of the Scientific Council of  
the All-Union Petroleum Region. Session of the Scientific Council of  
the All-Union Petroleum Scientific Research Institute for Geolog-  
ical Exploration Held at Kazan (December 1956) Moscow:  
Sovetskoe Isdat., 1958. 257 p. Sretta sliip inserted. 1,000 copies  
printed.

Additional Sponsoring Agency: USSR- Ministerstvo geologii i otkryty  
zemni.

Ed.: A. I. Kleshchev, Candidate of Geological and Mineralogical Sci-  
ences; Executive Ed.: P. R. Yerhov; Tech. Ed.: E. A. Pukhina.  
PURPOSE: This book is intended for petroleum geologists.

CONTENTS: This collection of articles is the result of a field  
session held in Kazan in December 1956 by the scientific council  
of the All-Union Petroleum Scientific Research Institute for Geolo-  
gical Exploration. The session was attended by members of the geo-  
logical services of the various petroleum research and industrial  
institutions of Marx', Bugul', Ufa, Perm', Kuybyshev', etc. The  
council discussed the prospects and possibilities of oil and gas pro-  
duction in the northeastern parts of the Volga-Ural oil-bearing  
district, its current problems in geological surveying and ex-  
ploration, and plans for future drilling. All reports, presenta-  
tions, replies to queries, the resolutions and recommendations made  
by the council, and the chairman's concluding remarks, are re-  
produced in the collection. The articles are accompanied by  
diagrams and tables. No references are given.

## TABLE OF CONTENTS:

	Sov/2284
Oil-and-Gas-bearing Possibilities (Cont.)	Sov/2284
<u>Prospolyat', V. I. and S. J. Klyam.</u> Oil Possibilities in the North- <u>ern Part of the Aktau-Yev-Melikskaya Depression</u>	160
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PRITULA, Yu.A.; ABRIKOSOV, I.Kh.; AVROV, P.Ya.; KAZACHENKO, A.A.; KILIGINA, N.I.; KULIKOV, F.S.; MEL'NIKOV, A.M.; TATARINOV, A.G.; TROYEPOL'SKIY, V.I.; TSYPLENKOV, G.G.; SHPIL'MAN, A.I.; DAYEV, G.A., vedushchiy red.; LINDTROP, N.T., red.; YASHCHURZHINSKAYA, A.B., tekhn.red.

[Volga-Ural oil-bearing region; oil potential] Volgo-Uralskaya neftenosnaia oblast'; neftenosnost'. Leningrad, Gostoptekhizdat, 1957. 175 p. (Leningrad, Vsesoiuznyi neftianoi nauchno-issledovatel'skii geologorazvedochnyi institut. Trudy, no.104). (MIRA 16:8) (Volga-Ural region--Petroleum geology)

TROYEPOL'SKIY, V.I.; SMELKOV, V.M.; BADAMSHIN, E.Z.; NAPALKOV, V.N.

Petroleum potential and methods for petroleum prospecting  
in fractured reservoirs of the carbonaceous section at  
the eastern edge of the Aksubayev-Melekes depression.

Izv. vys. ucheb. zav.; neft' i gaz 6 no.8:3-8 '63.

(MIRA 17:6)

1. Kazanskiy gosudarstvenny universitet imeni Ul'yanova-Lenina.

15-57-2-1624

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 2,  
p 67 (USSR)

AUTHOR: Troyepol'skiy, V. I.

TITLE: The Paleogeography and Facies Peculiarities of Sedimentation in Northern and Northwestern Tataria During the Devonian (Paleogeografiya i fatsial'nyye osobennosti osadkonakopleniya na severe i severo-zapade Tatarii v devonskiy period)

PERIODICAL: Uch. zap. Kazansk. un-ta, 1955, Vol 115, Nr 16,  
pp 13-24

ABSTRACT: The author examines the facies peculiarities and the paleogeographic environment of the Devonian in the northern and northwestern parts of Tataria. The sediments lie on an irregular surface of the crystalline basement. Marine, lagoonal, and continental facies are distinguished. The predominant marine facies is

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15-57-2-1624

The Paleogeography and Facies Peculiarities (Cont.)

subdivided into facies of the upper and lower parts of the shelf. The first of these subdivisions, in turn, consists of a littoral facies and an open-sea facies. Sandy silt, conglomeratic sediments, and chemically precipitated clays are noted among the littoral deposits. Ashy tuffs and glassy and recrystallized lavas, occurring in the sandy silts, are also of the same facies. The open-sea facies includes strata of calcareous and dolomitic rocks: coralline, pseudobrecciated, and other non-bituminous varieties of limestones and greenish gray marls. The facies of the lower part of the shelf consists of bituminous Domanik rocks. In this sequence there are distinguished the marine Domanik facies of bituminous organic calcareous muds (brownish and black, commonly cherty limestones with abundant fossils) and bituminous clay muds (less bituminous black argillaceous calcareous shales and marls with few fossils). The lagoonal facies contains argillaceous muds of freshened marine shallow-water lagoons. The rocks are dark gray and greenish gray mudstones, containing secondary siderite and pyrite and having an

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15-57-2-1624

The Paleogeography and Facies Peculiarities (Cont.)

organic carbon content up to 2.5 percent, deposited in relatively deep-water freshened lagoons. Primary gypsum, dolomite, and anhydrite from saline lagoons are also present. The following facies are distinguished among the deposits of the coastal plain: alluvial-fan sandy silt and clay sediments, quartz beach sands, beach carbonatic muds and argillaceous siltstones in freshened lakes and swamps (red mudstones and marls); and the facies of carbonaceous argil-laceous calcareous muds and siltstones of freshened lakes and swamps (sandstones, siltstones with carbonaceous detritus, silty mudstones, marls, and layers of brown and, rarely, hard coal). The paleogeography of this region is discussed for the interval from pre-Givetian to Famennian times. The author notes that at the beginning of Givetian time the region was a raised plateau-like plain. During the lower Givetian the sea transgressed into the lower parts of the incipient basin. Throughout the upper Givetian the region was open sea, somewhat freshened toward the beginning of Pashiya time. Differential fluctuating movements occurred at this time and submarine lavas were extruded locally. The Kyn and Sargayevo epochs  
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15-57-2-1624

The Paleogeography and Facies Peculiarities (Cont.)

were characterized by regional depression and the formation of an open sea with normal hydrodynamic conditions. This basin was preserved during Domanik time, and a stable reducing environment was developed in its eastern part. Similar conditions existed in Mendym and Askyn times (except in the southwest, where there was dry land at the beginning of Askyn time). The climate became hot in Famennian time. The salinity of the basin increased, and gypsum and dolomite began to precipitate. The salinity of the sea became normal during the second half of the Famennian epoch.

B. Yu. Ye.

Card 4/4

TROYEPOL'SKIY, V.I.; LEREDEV, N.F.

Regularities in the distribution of bitumens in the Permian  
sediments of the Melekes depression. Izv. vyc. uchebo. zav.;  
neft' i gaz 7 no.7:13-17 '64. (MIRA 17:9)

1. Kazanskiy gosudarstvennyy universitet im. V.I. Ul'yanova-Lenina.

TROYEPOL'SKIY, V.I.

Conditions governing the formation and preservation of oil  
pools in Devonian terrigenous sediments of the lower Kama Valley.  
Uch. zap. Kaz. un. 117 no.9:312-316 '57. (MIRA 13:1)

1.Kazanskiy gosudarstvennyy universitet im. V.I. Ul'yanova-Lenina.  
Kafedra geologii nefti i gaza.  
(Kama Valley--Petroleum--Geology)

TIKHKVINSKAYA, Ye.I.; TROYEPOL'SKIY, V.I.

Dividing the northern and western Tatar A.S.S.R. into districts  
on the basis of oil prospects of Devonian terrigenous sediments.  
Uch. zap. Kaz. un. 117 no.9:304-307 '57. (MIRA 13:1)

1.Kazanskiy gosudarstvennyy universitet im. V.I. Ul'yanova-Lenina.  
Kafedry geologii nefti i gaza i geologii SSSR.  
(Tatar A.S.S.R.--Petroleum--Geology)

KRUPIN, V.I.; TIKHVINSKAYA, Ye.I.; TROYEPOL'SKIY, V.I.

Oil prospects in the Tatar A.S.S.R. based on Carboniferous  
sediments. Uch. zap. Kaz. un. 117 no.9:308-311 '57.  
(MIRA 13:1)

1.Kazanskiy gosudarstvennyy universitet im. V.I. Ul'yanova-Lenina.  
Kafedry geologii nefti i gaza i geologii SSSR.  
(Tatar A.S.S.R.--Petroleum--Geology)

TROYEPOL'SKIY, V.I.; ELLERN, S.S.; MAL'TSEV, M.V.; SOLGANIK, G.Ya., red.  
IBHAGIMOVA, Z.A., tekhn.red.

[Tataria is a petroleum republic; a popular account] Tataria -  
respublika nefti; nauchno-populiarnyi ocherk. Kazan', Tatknigo-  
izdat, 1957. 154 p.  
(MIRA 11:?)  
(Tatar A.S.S.R.--Petroleum industry)

15-57-3-3499

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 3,  
p 148 (USSR)

AUTHOR: Troyepol'skiy, V. I.

TITLE: The Question of the Conditions of Formation and Preservation of Oil Deposits in the Clastic Devonian Beds in the Depressed and Arched Regions of the Volga Region  
(K voprosu ob usloviyakh formirovaniya i sokhraneniya zalezhey nefti v terrigennoy tolshche devona v depressionnykh i svodovykh oblastyakh Povolzh'ya)

PERIODICAL: Uch. zap. Kazansk. gos. un-ta, 1955, Vol 115, Nr 10,  
pp 89-91

ABSTRACT: On the southern dome of the Tatarskiy arch, beginning with the Devonian and continuing throughout the rest of geologic time, conditions have been favorable for the preservation of oil in the Devonian rocks. In several places on the northern dome of the Tatarskiy arch, in the Zainskiy downwarp, and in the Kazan' basin, conditions

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15-57-3-3499

The Question of the Conditions of Formation (Cont.)

were less favorable because of faulting of the Devonian rocks. The most probable source rocks are the sequences of clay rocks occurring in the uppermost parts of the lower Givetian and upper Givetian sub-series. The bitumens in the Permian deposits of Tatar ASSR are considered to be secondary, migrating from deep-lying Carboniferous and Devonian rocks in the Aksabayev-Melekesskaya depression.

N. A. Ye.

Card 2/2

15-57-3-3510

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 3,  
p 149 (USSR)

AUTHORS: Troyepol'skiy, V. I., Postnikov, D. V.

TITLE: The Problem of the Structure and Availability of Pore  
Space in Carbonate Reservoir Rocks (K voprosu o struk-  
ture i pronitsayemosti porovogo prostranstva karbon-  
atnykh kollektorakh)

PERIODICAL: Uch. zap. Kazansk. un-ta, 1956, Vol 115, Nr 16,  
pp 219-223.

ABSTRACT: It is impossible to describe the permeability of  
carbonate reservoir rocks by studying occasional sec-  
tions of pore spaces, nor can the permeability be  
related by definite formulas to the porosity or size  
of the pores. Even a small number of cracks sharply  
alters the seepage properties of a rock. no initials

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15-57-8-11387

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 8,  
p 182 (USSR)

AUTHORS: Troyepol'skiy, V. I., Ellern, S. S.

TITLE: New Data on Geological Structure and Formation of the  
Northern Part of the Aksubayev-Melekess Depression  
(Novyye dannyye o geologicheskem stroyenii i istorii  
formirovaniya severnoy chasti Aksubayev-Melekesskoy  
depressii)

PERIODICAL: Uch. zap. Kazansk. un-ta, 1956, Vol 116, Nr 5, pp 194-  
197

ABSTRACT: The Aksubayev depression lies between the Tatarsk  
and Tokmovo anticlines. Along the lower levels of the  
Devonian period, it passes, to the north, into the  
narrow meridional Kazan flexure, and to the northeast,  
into the Zayinsk-Saraylinskiy progib (flexure), which  
divides the north and south extensions of the Tatarsk

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15-57-8-11387

New Data on Geological Structure (Cont.)

dome. Along the Schwagerina level, to the west, the depression is bounded by a steep monocline, complicated by the Pichkasskaya and Bugry struktury (structures), while its eastern border is complicated by terrace-like steps. The contours of the Aksabayev depression coincide on all levels and are in good conformity with the gravity map. The Aksabayev-Melekess depression is basically of post-Permian age. Oil accumulation traps are believed to exist in the lower Frankian, Givetian, and Visean zones on the western border. Permian bituminous developments along the periphery of the depression are favorable indications of the existence of petroleum deposits in the Carboniferous and Devonian on the western border.

Iu. A. Kosygin

Card 2/2

TREYEPOL'SKIY, V.I.

ELLERN, S.S. (Kazan'); TROYEPOL'SKIY, V.I. (Kazan'); MURAV'YEV, I.S. (Kazan');  
IVANOV, Ye.Ye. (Kazan'); KOROBOVA, N.F. (Kazan'); MALYSHEVA, O.N.  
(Kazan'); CHURINA, N.P. (Kazan')

Stratigraphy and facies structure of the Devonian in the Tatar  
A.S.S.R. Uch.zap.Kaz.un. 115 no.10:85-88 '55. (MLRA 10:5)  
(Tatar A.S.S.R.--Geology, Stratigraphic)

TROYEPOL'SKIY, V.I. (Kazan')

Conditions governing the formation and preservation of petroleum deposits in the Devonian terrigenous strata in anticlines and depressed areas of the Volga Valley. Uch.zap.Kaz.un. 115 no.10: 89-91 '55. (Volga Valley--Petroleum Geology) (MLRA 10:5)

TROYEPOL'SKII, V.I.; ELLERN, S.S.; VOZDVIZHENSKAYA, M.Kh., redaktor;  
SALIKHOVA, A.S., tekhnicheskiy redaktor

[Tatarstan in the Devonian period; its geological past] Tatarliia  
v devonskii period; iz geologicheskogo proshlogo. Kazan',  
Tatknigoizdat, 1956. 68 p. .. (MLRA 10:7)  
(Tatar A.S.S.R., Geology, Stratigraphic)

TROYEPOL'SKIY, V.I.

Paleogeography and facies characteristics of Devonian formations in  
the northern and northwestern Tatar A.S.S.R. Uch.zap.Kaz.un.115  
no.16:13-24 '56. (MIRA 10:3)

1. Kafedra geologii nefti.  
(Tatar A.S.S.R.--Geology, Stratigraphic)

TROYEPOL'SKIY, V.I.; ELLERN, S.S.

Age of Devonian volcanogenous formations in the Kazan region.  
Uch.zap.Kaz.un. 115 no.16:25-28 '56. (MLRA 10:3)

1. Kafedra geologii nefti.  
(Kazan--Geology, Stratigraphic)

TROYEPOL'SKIY, V.I.; ELLERN, S.S.

New data on the geological structure and history of formation  
of the northern part of the Aksubayev-Malekess Depression.  
Uch.zap.Kaz.un. 116 no.5:194-197 '56. (MLRA 10:4)

1. Kafedra geologii nefti.  
(Tatar A.S.S.R.--Geology, Structural)

TROYEPOL'SKIY, V.I.; POSTNIKOV, D.V.

Structure and permeability of pore space in carbonate rocks.  
Uch.zap.Kaz.un. 115 no.16:219-223 '56. (MLRA 10:3)

1. Katedra geologii nefti.  
(Porosity) (Carbonates (Mineralogy))

1. BLUDOROV, A.P.; TROYEPOL'SKIY, V.I.
  2. USSR (600)
  4. Coal - Tartar A.S.S.R.
  7. Location of coal in Upper Devonian deposits of the Tartar region, A.P. Bludorov, V.I. Troyepol'skiy, Dokl.AN SSSR 90 no. 2, 1953.
9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

TROYEPOLSKIY, V. I.

260T32

USSR/Geology - Coals of Tatar 11 May 53

"New Findings of Coals in the Upper Devonian Deposits of Tatariya," A. P. Bludorov and V. I. Troyepolskiy

DAN SSSR, Vol 90, No 2, pp 227-229

State that coals from these deposits are black in color, have a strong luster, and a yellow cast similar to metal, indicating a high degree of carbonification. Presented by Acad D. S. Belyan-kin 5 Jan 53.

260T32

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001756810007-6

SOLONTSOV, L.F.; TROYEPOL'SKIY, V.I.; ELLERN, S.S.

Stratigraphic position of the Borovka series in the eastern  
Russian Platform. Uch.zap.Kaz.un. 120 no.4:3-11 '60.  
(MIRA 14:6)

(Russian Platform—Geology, Stratigraphic)

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001756810007-6"

VALEYEV, R.N.; TROYEPOL'SKIY, V.I.

Tectonic characteristics and oil potential of the Tatar Arch.  
Izv. vys. ucheb, zav.; neft' i gaz 5 no.6:9-14 '62. (MIRA 16:5)

1. Kazanskiy gosudarstvennyy universitet imeni V.I.Ul'yanova-Lenina.  
(Tatar A.S.S.R.--Petroleum geology)

TROYEPOL'SKIY, V.I.; BADAMSHIN, E.Z.; NAPALKOV, V.N.

Outlook for finding oil in the Kama-Kinel' Depression and  
method of prospecting it. Izv. vys. ucheb. zav.; neft' i gaz  
6 no.4:11-14 '63. (MIRA 16:7)

1. Kazanskiy gosudarstvennyy universitet imeni V.I. Ul'yanova-  
Lenina.  
(Kama-Kinel' Depression--Petroleum geology)

TROYEPOL'SKIY, V.N., inzh.

Eliminating deformations of construction elements during welding.  
Transp. stroi. 10 no. 12:34-36 D '60. (MIRA 13:12)  
(Strains and stresses) (Steel, Structural--Welding)

TROYEPOL'SKIY, V.N., inzh.; GLUKHAREV, A.A., inzh.

Welding cast iron in an atmosphere of water vapor. Svar. proizv.  
no.6:16 Ja '63. (MIRA 16:12)

1. Proyektno-konstruktorskoye byuro Glavstroymekhanizatsii.

TROVERO' SKIY, V.N., instr.; SHAIKIN, L.D., mnr.

Reconditioning of structures in city parts by cutting and  
building up. Strct. Engg. mach. 10 hours 12 min. 5a '65  
(TREA 1965)

TROYEPOL'SKIY, V.N., inzh.; DIVEYEV, P.A., inzh.; ARTYUKOV, M.I., inzh.

Electric contact welding in rail-welding trains. Trans. stroi.  
13 no.8:14-17 Ag '63. (MIRA 17:2)

TROYEPOL'SKIY, V.N.

Welding in a protective atmosphere of steam. Transp. stroi. 12  
(MIRA 15:5)  
no.4:30-32 Ap '62.

1. Glavnnyy tekhnolog po svarke proyektno-konstruktorskogo byuro  
Glavstroymekhanizatsii.  
(Electric welding)

TROYEPOL'SKIY, V.N., inzh.; DIVEYEV, P.A., inzh.

Welding and surfacing with powder wire. Transp. stroi. 13 no.7:36-  
38 Jl '63. (MIRA 16:9)  
(Electric welding)

S/135/61/000/001/014/018  
A006/A001

AUTHORS: Troyepol'skiy, V.N., Liman, Yu.A., Engineers

TITLE: On Welding in Water Vapor Medium

PERIODICAL: Svarochnye proizvodstvo, 1961, No. 1, pp. 46 - 47

TEXT: Based on extended industrial tests, it was found that the method of welding in water vapor atmosphere, developed by L.S. Sapiro, can be effectively used for the manufacture of welded units and machine parts of secondary importance, using Sv-08 electrode wire. During the tests with this new method it was established that although the arc was burning stably at high current densities, it became unstable at a lower current. Using recommendations of the Rostov Institute of Agricultural Machinebuilding an inductance resistance was connected to the d-c circuit when welding on reverse polarity. As a result splashing, which was previously observed, was reduced and stability of the process was raised. The Stalino Plant imeni 15-letiye LKSMU suggested a redesigned vapor generator assuring a stabler and more reliable vapor jet feed to the arc zone. The vapor generator (shown in an illustration), consists of body 1, (250 x 270 x 460 mm) and removable cover 2, with water filling aperture 3, safety valve 4, clamp panel 5 with heater

Card 1/3

On Welding in Water Vapor Medium

S/135/61/000/001/014/018  
A006/AOC1

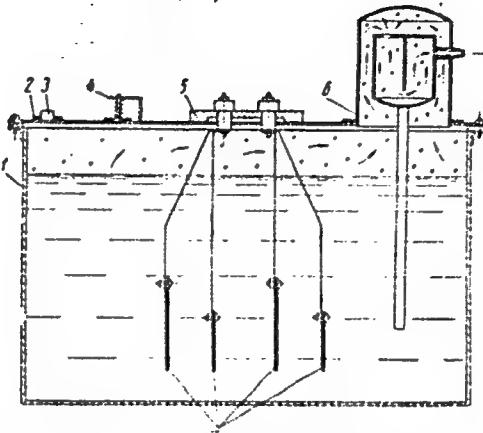
electrodes 7, and water separator 6. A quantity of 20 - 25 liters water is filled into the vapor generator. During the start (10 - 15 min) all the heater electrodes are power supplied. After heating the water up to 100°C, one or two electrodes are switched off, reducing the intensity of evaporation. The vapor supply to the arc zone is regulated by a rheostat. The jet length leaving the holder must not exceed 80 - 150 mm in operational position. The electric circuit of the unit excludes frequent short-circuiting of contacts, their sparkling and burning. Practice has shown that the described unit ensures a more stable process and prevents previous deficiencies in operation.

Card 2/3

On Welding in Water Vapor Medium

S/135/61/000/001/014/018  
A006/A001

Figure 1



There is 1 figure.

ASSOCIATION: PKB "Glavstroymekhanizatsiya" "Ministerstva transportnogo stroitel'stva SSSR (PKB "Glavstroymekhanizatsiya" of the USSR Ministry of Transportation Building)

Card 3/3

TROYEPOL'SKIY, V. N., inzh.; KUTIKOV, V. M., tekhnik

Manipulator for automatic build-up welding. Svar. proizv.  
no.10:38-39 0 '62. (MIRA 15:10)

1. Proyektno-konstruktorskoye byuro Glavnogo upravleniya po  
mekhanizatsii stroitel'nykh rabot.

(Electric welding—Equipment and supplies)

GREIL', Ye.A.; TROYEPOL'SKIY, V.N.; KRYUKOV, V.L., redaktor; MUSH-TAKOV, L.P., redaktor; PETUSHKO, Ye.I., tekhnicheskiy redaktor

[Cold welding of cast iron] Kholodnaya svarka chuguna. Moskva, Gos.izd-vo selkhoz.lit-ry, 1955. 46 p. (MLRA 8:10)  
(Cast iron--Welding)

FAL'KEVICH, A.S., kand.tekhn.nauk; SHEYNKIN, M.Z., inzh.; SHEYKO, V.I., inzh.;  
FIL'CHAKOV, A.A., inzh.; TROYEPOL'SKIY, V.N., inzh.; LIMAN, Yu.A.,  
inzh.; CHERNYSHENKO, I.G.; LYUBCHENKO, A.I., inzh.; KVARTIN, I.I.,  
inzh.; KALASHNIKOV, F.I., inzh.; GOLOSOV, I.P.

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po stroitel'stvu magistral'nykh truboprovodov (for Fal'kevich, Sheynin). 2. Proyektno-konstruktorskoye byuro "Glavstroymekhanizatsiya" Ministerstva transvrtchnogo stroitel'stva SSSR (for Troyepol'skiy, Liman).
  3. Yasinovatskiy mashinostroitel'nyy zavod (for Chernyshenko).
  4. Stalinskiy zavod sel'skokhozyaystvennogo mashinostroyeniya (for Lyubchenko). 5. Odesskiy zavod prodrogovl'stvennogo mashinostroyeniya (for Kvartin, Kalashnikov). 6. Staro-Kramatorskiy mashinostroitel'nyy zavod (for Golosov).

TROYEPOL'SKIY, V.N., inzh.;GRZYL', Ye.A., inzh.

Preventing the formation of cementite in build-up welding of cast  
iron parts. Transp. stroi. 9 no.11:49-50 N '59 (MIR 10:3)  
(Cast iron--Welding)

TOBURNO, Yu.A.; TROYEPOL'SKIY, V.N.

Restoring the solid cutting edges of excavator buckets. Transp.  
stroi. 9 no.3:33-35 Mr '59. (MIRA 12:4)

1. Nachal'nik mekhanizirovannoy kolonny No.29 Glavstroymekhaniza-  
tsii (for Toburno). 2. Starshiy inzhener proyektno-konstruktorskogo  
byuro Glavnogo upravleniya po mekhanizatsii stroitel'nykh  
rabot (for Troyepol'skiy).

(Excavating machinery--Maintenance and repair)

Troyepol'skiy, V. N.

GHEYL', Ya.A.; TROYEPOL'SKIY, V.N.; DROBINSKIY, V.A., redaktor; KANDYKIN, A.Ye.,  
tekhnicheskij redaktor.

[Cold welding repairs of internal combustion engine parts of cast iron]  
Remont chugunnykh detalei dvigatelei vnutrennego sgoraniia khodnoi  
svarkoi. Moskva, Gos. transp. zhel-dor. izd-vo, 1953. 22 p. (MLR 8:1)  
(Electric welding) (Diesel engines--Repairing)

ROVKAKH, S.Ye., kand.tekhn.nauk; TROYEPOL'SKIY, V.N., inzh.

Mechanization and automation of welding at the enterprises  
of the Ministry of Construction for the Transportation Industry.  
Transp.stroi. 10 no.7:23-26 Jl '60. (MIRA 13:7)  
(Electric welding--Equipment and supplies)  
(Automatic control)

MENDELEYEV, I.S., inzh.; TROYETSKAYA, A.A., inzh.

Twin generator with split poles. Vest.elektroprom. 33 no.1:  
35-37 Ja '62. (MIRA 14:12)  
(Electric generators)

MENDELEYEV, I.S., inzh.; TROYETSKAYA, A.A., inzh.; SVERDLIK, L.V.,  
inzh.

Practical method of calculating generator - engine systems  
with triple winding excitors for electric propulsion  
diagrams. Sudostroenie 26 no.6:28-32 Je '60.  
(MIRA 13:7)

(Ship propulsion, Electric)

18064-67

EWT(1)

ACC NR: AP6021054 (A, N) SOURCE CODE: UR/0292/66/000/003/00097  
AUTHOR: Mendeleyev, I. S. (Engineer); Troyetskaya, A. A. (Engineer)

ORG: none

TITLE: High-power amplidyne 25

SOURCE: Elektrotekhnika, no. 3, 1966, 9-10

TOPIC TAGS: dynamoelectric amplifier, amplidyne, electronic amplifier,  
amplifier circuit

ABSTRACT: Amplidynes of a few hundred kw in one unit have been recently built  
(in USA). Bush windings are inapplicable in such machines; a salient-pole field  
compensating-field winding is used. However, placing the entire concentrated-field  
polepieces become necessary. Hence, a small poles is suggested in  
system and a bar-type compensating-field winding around each of the partial poles is suggested in  
compensating-field winding

18064-67  
ACC NR: AP6021054

UDC: 621.3.236.3.001.2

addition to the distributed airgap for the cases of con-

distributed) compensating-field advantages of the latter type.

SUB CODE: 09 | SUBM DATE: 03/14/2001

Card 2/2 nat

MENDELEYEV, I.S., inzh.; TROYETSKAYA, A.A., inzh.; BELOPOL'SKIY, A.M., inzh.

Special design features of enclosed d.c. machines. Energ. i  
elektrotekh. prom. no.2:39-41 Ap-Je '65. (MIRA 18:8)

SOV/110-59-1-17/28

AUTHORS: Mendeleyev I.S., Troyetskaya A.A. and Sverdlin, L.V.  
(Engineers)

TITLE: A Practical Method of Designing Three-Winding Direct-  
Current Generators (Prakticheskiy metod rascheta  
trekhobmotochnykh generatorov postoyannogo toka)

PERIODICAL: Vestnik Elektropromyshlennosti, 1959, Nr 1, pp 60-62 (USSR)

ABSTRACT: Direct-current generators with the special characteristics required for certain industrial drives may have two or three field windings. This article describes practical methods of designing generators with three field windings. The external characteristics of a generator are usually determined by the mechanical characteristic of the prime mover and are expressed by three points: (1) the no-load voltage and armature current when the prime mover is running light; (2) the normal rated current and voltage; (3) the voltage and current at which the prime mover stalls. The generator design commences with determination of the output and selection of the type of machine. It is shown that the output for which the machine may be designed depends on the shape of the external characteristics, as shown in

Card 1/2

SOV/110-59-1-17/28

A Practical Method of Designing Three-Winding Direct-Current Generators

Fig 1. In driving excavators and other equipment a good deal also depends upon the operating conditions and duty cycle. The method of constructing the external characteristics of a three-winding generator from the no-load curve is then explained with reference to Fig 2. A formula is given for the design of the field winding. A numerical example of generator design is then worked

Card 2/2 out.

There are 2 figures, 1 table , no references.

SUBMITTED: June 16, 1958

TRCYTNIK, A. A.

Geology

Soviet Source: P: Tekhnika Molodezhi, Dec 1976, Moscow  
Abstracted in USAF "Treasure Island" Report No. 22835, on file in Library of Congress,  
Air Information Division.

TROY<sup>KH</sup>, Ye. G.

Excavating Machinery

Mechanization of the excavating and loading process of peat with the machine unit  
UKB-SKS. Torf. prom. 29 No. 2, 1952.

Monthly List of Russian Accessions, Library of Congress, April 1952 UNCLASSIFIED

TROYKO-T.N. ordinatore

Synthomycin therapy for acute gonorrhea in men. Vest. ven. i  
derm. no.1:47-48 Ja-F '55. (MLRA 8:4)

1. In gorodskogo vendispansera Stalino-Donbass.  
(CHLOROMYCETIN) (GONORRHEA)

TRYKOV, T.P. (Bulgariya); GUNCHEV, I.A. (Bulgariya); MARANGOZOV, S.V.  
(Bulgariya)

Synthesis of a high-quality automatic control system using a model  
with satisfaction of the invariance principle. Avtomatyka 10 no.1:35-  
41 '65. (MIRA 1966)

24.5600

37862  
S/056/62/042/005/005/050  
B125/B108

AUTHORS: Batrakov, G. F., Mis'kevich, O. P., Troynar, Ye.

TITLE: Measurement of surface tension between the superconducting  
and the normal phase

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 42,  
no. 5, 1962, 1171 - 1172

TEXT: The surface tension was determined in tin at the interface between  
the superconducting and the normal phase. For this purpose, the period  
of the regular structure of the intermediate state in a transverse magnetic  
field at various temperatures was measured. According to L. D. Landau  
(ZhETF, 7, 371, 1937), normal and superconducting phases alternate in the  
said structure. The magnetic field structure was measured with ferro-  
magnetic powder and with bismuth micrometric instruments on the surface  
of three tin single crystals and inside a  $100\mu$  wide slit. In all ex-  
periments, the intermediate state was produced by reducing the temperature  
and subsequently increasing the magnetic field to  $0.9 H_{crit}$ . The  
experimental results became clearer and more regular when a slight current  
Card 1/2

S/056/62/042/005/005/050

B125/B108

Measurement of surface tension...

passed through the specimen. The quantity  $\Delta = \sigma_{ns} (8\pi/H_{crit}^2)$  which increases with temperature was measured. Results agree with those of other authors.  $\sigma_{ns}$  is the surface tension at the interface between the normal and the superconducting phase. There are 2 figures. ✓

ASSOCIATION: Moskovskiy gosudarstvennyy universitet (Moscow State University)

SUBMITTED: December 8, 1961

Card 2/2

BATRAKOV, G.F.; MIS'KEVICH, O.R.; TROYNAR, Ye.

Measurement of the surface tension between superconducting  
and normal phases. Zhur. eksp. i teor. fiz. 42 no.5:1171-1172  
My '62. (MIRA 15:9)

1. Moskovskiy gosudarstvennyy universitet.  
(Surface tension) (Superconductivity)

TROYNAR, Ye.

Destruction of superconductivity by a current. Zhur.eksp.i teor.fiz.  
38 no.2:654-655 p '60.  
(MIRA 14:5)

1. Moskovskiy gosudarstvennyy universitet.  
(Superconductivity)

L 14376-62 EPP(c)/EWT(1)/EWP(q)/EWT(m)/EEC(b)-2/BDS AFETC/ASD/  
ESD-3 GG/JD/IJP(C)/K  
ACCESSION NR: AP3001818 P/0045/63,023/005/0567/0579

AUTHOR: Troynar, Ye.

67

TITLE: On the destruction of superconductivity by a current

62

SOURCE: Acta physica polonica, v. 23, no. 5, 1963, 567-579

TOPIC TAGS: superconductivity, superconductive transition, London scheme, ferromagnetic powder method, intermediate-state superconductive lead, critical current, critical field

ABSTRACT: Measurement was made of the course of resistance of cylindrical samples of lead in the intermediate state as a function of a current destroying superconductivity. The purpose was to compare the experimental data to the predictions of various workers. The structure of the intermediate state of the cylinder was determined by the ferromagnetic powder method, with the magnetic field transverse to the direction of current flow. The measurements confirmed the London scheme of the intermediate state of a cylinder with current and differed markedly from calculations based on Kuper's formulation. It was found that the experimentally observed difference between the magnitude of the resistance

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L 14376-63  
ACCESSION NR: AP3001818

5

at the critical current and the theoretical value is  $0.5 R_{\text{sub } n}$  ( $R_{\text{sub } n}$  being the resistance in the completely normal state), and is due to the heating of the sample relative to the helium bath. The surface tension between the superconductive and normal phases and the scattering of conduction electrons at the phase boundaries does not play a significant role in the dependence of resistance upon the current. "The author considers it his pleasant duty to express deep gratitude to Prof. N. Ye. Alekseyevskiy for his constant guidance. He is also thankful to Prof. A. I. Shal'nikov for affording him the opportunity to perform this work in the Cryogenic Laboratory of Moscow State University."

Orig. art. has 4 numbered equations, 10 figures and 2 tables.

ASSOCIATION: Zaklad Niskich Temperatur Instytutu Fizyki PAN, Wroclaw (Low-Temperature Institution of the Institute of Physics of the Polish Academy of Sciences)

SUBMITTED: 18Jul62

DATE ACQ: 01Jul63

ENCL: 00

SUB CODE: GE

NO REF Sov: 003

OTHER: 011

Card 2/2

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001756810007-6

NETARIDEL, N.Kh.; NOVYKOV, Ye.I.; TIKHONOV, E.V.

Increasing the precision of the planimeteric method of force  
measurement. Izm. tekh. no. 9:15-17. 1965.

(MIRA 18:10)

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001756810007-6"

TROYNIKOVA, A.D.

TROITSKAYA, V.B.; TROYNIKOVA, A.D.

Effect of vagus and sympathetic nerves on secretory function of the pancreas. Trudy Inst. fiziolog. 3:127-131 '54. (MIRA 8:2)

1. Laboratoriya fiziologii i patologii pishchevareniya i krovoobrazheniya. Zaveduyushchiy A.V.Solov'yev.

(PANCREAS, physiology, secretion, regulation by sympathetic & vagus nerves)

(NERVES, VAGUS, physiology,

regulation of pancreatic secretion)

(SYMPATHETIC NERVOUS SYSTEM, physiology,

regulation of pancreatic secretion)

L 22600-66 EWT(m)/EWP(j)/T/ETC(m)-6 IJP(c) WW/GS/FM

ACC NR: AT6006244 (A)

SOURCE CODE: UR/0000/65/000/000/0048/0055

AUTHOR: Omel'chenko, S. I.; Troynikova, Ye. I.; Sadovskaya, Z. M.; Komashko, A. M.

ORG: Ukrainian Scientific Research of Plastics, Donetsk (UkrNIIplastmass) K3

TITLE: Initiation systems for the copolymerization<sup>145</sup> of polyglycolmaleinate resin modified with cyclopentadiene B+1 1/2

SOURCE: AN UkrSSR. Modifikatsiya svoystv polimerov i polimernykh materialov (Modification of the properties of polymers and polymeric materials). Kiev, Naukova dumka, 1965, 48-55

TOPIC TAGS: copolymerization, polymerization catalyst, polymerization initiator, synthetic material, catalytic polymerization

ABSTRACT: The effectiveness of isopropylbenzohydroperoxide (IPBHP)-, methylethylketone peroxide (MEKP)- and cyclohexanone peroxide (CHP) supplemented with U-100 accelerator,  $(\text{NH}_4)_2[\text{Co}(\text{CNS})]$ , on the copolymerization of PNTs-2E-6<sup>b</sup> polyglycolmaleinate resin<sup>a</sup> with cyclopentadiene was investigated. The copolymer samples were prepared by mixing a resin-styrene solution (100:400 styrene<sup>a</sup> to resin ratio) with an initiator-accelerator system followed by pouring into molds and setting at 20 ± 1°C. The concentration of IPBHP in styrene was 3-5%. The concentration of MEKP was 0.2-0.7% and concentration of CHP was 0.2-0.8%. The copolymerization duration was 95-230 minutes.

Card 1/2

L 22600-66

ACC NR: AT6006244

The copolymers were held for 1-4 hours at 60-120°C. The concentration of U-100 was 0.01-0.03% based on Co<sup>++</sup> ion content. In the case of IPBHP, a copolymer with the best physicomechanical properties was obtained using 3% IPBHP, 0.02% Co<sup>++</sup>, and thermal treatment at 100-120°C. After 30 days of aging<sup>15</sup>, the copolymer contained 94% non-extractible matter. The properties of the styrene- PNTs-2E-6 resin copolymers obtained with various initiation systems are presented in a table. Orig. art. has: 9 figures, 4 tables.

SUB CODE: 07/ SUBM DATE: 060ct65/ ORIG REF: 002/ OTH REF: 000

Card 2/24 w

TROYNIKOVA, Ye.I. [Troinykova, YE.I.]; SADOVSKAYA, Z.M. [Sadovs'ka, Z.M.];  
KOMASHKO, A.M.; OMEL'CHENKO, S.I.

Initiating systems for the copolymerization of polyglycolmaleic  
resins modified with cyclopentadiene. Khim. prom. [Ukr.] no.3:  
33-35 Jl-S '64. (MIRA 17:12)

UZHAKOV, N.S.; TROYANIN, M.F., inzh., red.; MITARCHUK, G.A., red.  
izd-va; SPERANSKAYA, O.V., tekhn. red.

[Electric bridge cranes] Mostovye elektricheskie krany.  
2. izd., dop. i perer. Moskva, Mashinostroenie, 1964.  
198 p. (MIRA 17:4)

TROYNIN, M.F.

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